INTERNATIONAL SEARCH REPORT

Internation No PCT/EP2005/050726

A. CLASS IPC 7	GOIC9/12 GOIC15/00 GOIC1	15/10	
According	g to International Patent Classification (IPC) or to both national class	seelffication and IDC	
	SSEARCHED	iosametron ene u V	
Minimum of IPC 7	documentation searched (classification system lollowed by classification s	:Incation symbols)	
	tation searched other than min'mura documentation to the extent t		
	data base consulted during the International search (name of data nternal, WPI Data, PAJ	da base and, where practical, search terms used	1)
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT		
Category •		se tejevani passages	Relevant to dalm No.
χ	DE 39 32 044 A1 (SCHOELKOPF, JO WALLDORF, DE) 4 April 1991 (199	OERG, 6909	1-7
Y	abstract; figures 1,2 claims 1-5	71 07 07/	8-12
	column 1, line 3 - line 64 column 2, line 52 - line 68		
Y	EP 1 012 539 A (WILLIAMS, NIGEL 28 June 2000 (2000-06-28) cited in the application abstract figures 1,3,5,6,13,17-19,21	L EMLYN)	8-12
	claims 1-3,8,13,14,18-20 paragraph '0001! - paragraph '0 paragraph '0012! - paragraph '0 paragraph '0030! - paragraph '0 paragraph '0042! - paragraph '0	0020! 0033!	
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	her documents are listed in the continuation of box C.	X Patent family members are listed in	ກ ຍາກex.
"A" documen	legories of cited documents: and defining the general state of the art which is not	To later document published after the inter- or priority date and not in conflict with	I're annication but
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'L' document which is	nt which may throw doubts on priority claim(s) or a clied to establish the publication date of another or other special reason (as specified)	involve an inventive step when the doc "Y" document of marking relevance the d	be considered to current is taken alone fairned important
O' document	nt referring to an oral disclosure, use, exhibition or	cannot be considered to involve an invidence document is combined with one or morents, such combination being obvious in the art.	Member step when the
ISSET UIS	en the priority date claimed	*8* document member of the same patent f	<u>*</u>
	June 2005	Date of mailing of the international sear	ch report
Name and ma	alling address of the ISA European Patent Cifice, P.B. 5818 Petentiaan 2	Authorized officer	
	NL - 2280 HV RISWIK Tel (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Santos, M	

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

PCT/EP2005/050726

Category *	Citation of document, with indication, where population of the colorest	To-la de la companya
−−- ∩¤ieñnià , i	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 08, 5 August 2002 (2002-08-05) & JP 2002 107143 A (HITACHI CONSTR MACH CO LTD), 10 April 2002 (2002-04-10)	1-7
1	abstract figures la, lb	8-12
(GB 769 495 A (SOCIETE DE PROSPECTION ELECTRIQUE PROCEDES SCHLUMBERGER) 6 March 1957 (1957-03-06)	1-7
	the whole document	8-12
	US 5 912 733 A (DUNLOP ET AL) 15 June 1999 (1999-06-15) the whole document	8-12
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INTERNATIONAL SEARCH REPORT

Internation Application No	
PCT/EP2005/050726	

	Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE	3932044	A1	04-04-1991	NONE		
EP	1012539	A	28-06-2000	AT AU DE EP US EP WO	287079 T 4131697 A 69732257 D1 1012539 A1 6351890 B1 1522820 A1 9811407 A1	15-01-2005 02-04-1998 17-02-2005 28-06-2000 05-03-2002 13-04-2005 19-03-1998
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US	5912733	Α	15-06-1999	CA	2253025 A1	05-05-1999

Form PCT/ISA/216 (patent family ennex) (January 2004)

PATENT COOPERATION TREATY

To: see form PCT/ISA/220				PCT		
				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)		
		·		Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)		
	e form PCT/ISA/2			FOR FURTHE See paragraph 2 b		
	International application No. International filing data PCT/EP2005/050726 18.02.2005		International filing date (c. 18.02.2005	lay/month/year)	Priority date (day/month/year) 27.02.2004	
WI	LLIAMS, Nigel E	mlyn	-			
1.	This opinion co Box No. I Box No. II Box No. III Box No. IV Box No. V	Basis of the op Priority Non-establishm Lack of unity of	nent of opinion with rega f invention	ard to novelty, inve	ntive step and industrial applicability	
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Name and mailing address of the ISA:

Authorized Officer

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2005/050726

	Box No. I Basis of the opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material:
	☐ a sequence listing
	☐ table(s) related to the sequence listing
	b. format of material:
	☐ in written format
	in computer readable form
	c. time of filing/furnishing:
	☐ contained in the international application as filed.
	☐ filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/EP2005/050726

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

5-12

No: Claims

1-4

Inventive step (IS)

Yes: Claims

No: Claims

1-12

Industrial applicability (IA)

Yes: Claims

1-12

No: Claims

2. Citations and explanations

see separate sheet

10/590669

IAPPRESIDED 2.5 AUG 2006 International application No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

PCT/EP2005/050726

Re Item V.

- 1 The following documents are referred to in this communication:
 - **D1**: DE 39 32 044 A1 (SCHOELKOPF, JOERG, 6909 WALLDORF, DE) 4 April 1991 (1991-04-04)
 - **D2**: PATENT ABSTRACTS OF JAPAN vol. 2002, no. 08, 5 August 2002 (2002-08-05) & JP 2002 107143 A (HITACHI CONSTR MACH CO LTD), 10 April 2002 (2002-04-10)
 - D3: GB 769 495 A (SOCIETE DE PROSPECTION ELECTRIQUE PROCEDES SCHLUMBERGER) 6 March 1957 (1957-03-06)
 - D4: EP-A-1 012 539 (WILLIAMS, NIGEL EMLYN) 28 June 2000 (2000-06-28)

2 INDEPENDENT CLAIM 1

- 2.1 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.
 - Document **D1** discloses (the references in parentheses applying to this document) a frictional pivot (see abstract) comprising:
 - gravity-responsive directional means for indicating a datum direction of alignment with gravity (see reference numeral B in figure 1);
 - frictional pivoting means for allowing the gravity-responsive means coarsely to align with gravity (see reference numeral A in figure 1);
 - vibration means for vibrating one or more elements of the pivoting means (see reference numerals 25 and 27 in figure 2 and e.g. page 6, lines 6-9 and page 8, lines 15-16); and
 - portable power means for powering the vibration means (see reference numeral 27 in figure 2 and e.g. page 8, lines 11-14).

All the features of independent claim 1 are therefore completely disclosed in D1 and consequently the subject-matter of this claim lacks novelty.

Form PCT/ISA/237 (Separate Sheet) (Sheet 1) (EPO-January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/EP2005/050726

2.2 For the sake of completeness, it is pointed out that both documents **D2** (see abstract and figure 1a) and **D3** (see e.g. page 1, lines 51-65 and 75-77) are also considered to be novelty-destroying for the subject-matter of **claim 1**.

3 DEPENDENT CLAIMS 2-12

Dependent claims 2-12 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT), see documents D1, D2, D3 and D4 and the corresponding passages cited in the Search Report.